

Product datasheet for SC327809

MAGT1 (NM_032121) Human Untagged Clone

Product data:

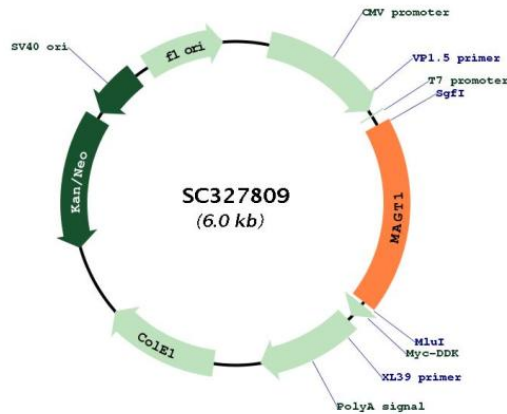
Product Type:	Expression Plasmids
Product Name:	MAGT1 (NM_032121) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGT1
Synonyms:	bA217H1.1; CDG1CC; IAP; MRX95; OST3B; PRO0756; SLC58A1; XMEN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327809 representing NM_032121. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGAAAGGCAAGGGGCCGATTTGCCTGTTCTCACGCCACCCCTCAGACCTAGCCGGAGCAAAGTT
TCACTTATAGAAGGGAGAGGAGCGAACATGGCAGCGCGTTGGCGTTTTGGTGTGTCTCTGTGACCATG
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CATAGACAGTGTGTCGTTTGAAGCAAGCTGATGAAGAATTCAGATCCTGGCAAACCTCTGGCGATAC
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TTCAGTTGGATGCTCTCTATTTTTAGATCTAAATATCATGGCTACCCATACAGCTTTCTGATGAGTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_032121

Insert Size: 1104 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_032121.5](#)

RefSeq Size: 4035 bp

RefSeq ORF: 1104 bp

Locus ID: 84061

UniProt ID: [Q9H0U3](#)

Cytogenetics:	Xq21.1
Domains:	OST3_OST6
Protein Families:	Druggable Genome, Transmembrane
MW:	41.5 kDa
Gene Summary:	This gene encodes a ubiquitously expressed magnesium cation transporter protein that localizes to the cell membrane. This protein also associates with N-oligosaccharyl transferase and therefore may have a role in N-glycosylation. Mutations in this gene cause a form of X-linked intellectual disability (XLID). This gene may have multiple in-frame translation initiation sites, one of which would encode a shorter protein with an N-terminus containing a signal peptide at amino acids 1-29. [provided by RefSeq, Jul 2017]